

CLAIMS

1-6. (Canceled)

7. (Original) An osmotic delivery system plug for controlling a delivery rate of a beneficial agent in an osmotic delivery system comprising:

a semipermeable body at least partially positionable in an opening in an enclosure of an osmotic delivery system, the semipermeable body including a hollow interior portion having a size selected to obtain a predetermined liquid permeation rate through the semipermeable body, the liquid permeation rate for controlling a delivery rate of a beneficial agent in an osmotic delivery system.

8. (Original) The osmotic delivery system plug according to claim 7, wherein the hollow interior portion is conical.

9. (Original) The osmotic delivery system plug according to claim 7, wherein the hollow interior portion is cylindrical.

10. (Original) The osmotic delivery system plug according to claim 7, wherein the semipermeable body includes a liquid contact surface for contacting a liquid external of the osmotic delivery system.

11. (Original) The osmotic delivery system plug according to claim 10, wherein the liquid contact surface is located at an end of said body opposite the hollow interior portion.

12. (Original) The osmotic delivery system plug according to claim 11, wherein the hollow interior portion includes a depth surface defining a plug thickness of the semipermeable body between the liquid contact surface and the depth surface.

13. (Original) The osmotic delivery system plug according to claim 10, wherein the liquid contact surface is cone-shaped.

14. (Original) The osmotic delivery system plug according to claim 7, including an insert located within the hollow interior portion.

15. (Original) The osmotic delivery system plug according to claim 14, wherein the hollow interior portion and the insert are cylindrical, the cylindrical hollow interior portion matingly receiving the cylindrical insert.

16. (Original) The osmotic delivery system plug according to claim 14, wherein the insert is pervious to liquids.

17. (Original) The osmotic delivery system plug according to claim 14, wherein the insert is a semipermeable material having a different permeability than that of the semipermeable body.

18. (Original) The osmotic delivery system plug according to Claim 14, wherein the insert includes an osmotic agent.

19. (Original) The osmotic delivery system plug according to claim 7, wherein the semipermeable body includes an outer sealing surface for effecting a seal with the enclosure when the body is at least partially positioned in the enclosure.

20. (Original) The osmotic delivery system plug according to claim 19, wherein the hollow interior portion includes an interior surface defining a wall width between the outer sealing surface and the interior surface.

21. (Original) The osmotic delivery system plug according to claim 19, including a liquid pervious member located within the hollow interior portion for assisting in effecting the seal.

22. (Original) The osmotic delivery system plug according to claim 19, wherein the outer sealing surface includes at least one rib.

23. (Original) An osmotic delivery system comprising:

an enclosure having an opening and a delivery port, said enclosure having an interior holding a liquid swellable osmotic agent and a beneficial agent, said liquid swellable osmotic agent for imbibing liquid from a surrounding environment and causing a delivery rate of said beneficial agent from said enclosure;

a plug having a semipermeable body at least partially positioned in the opening, the semipermeable body including a hollow interior portion having a size selected to obtain a predetermined liquid permeation rate through the semipermeable body, the liquid permeation rate for controlling the delivery rate of the beneficial agent in the osmotic delivery system.

24. (Original) The osmotic delivery system according to claim 23, further comprising a separating member positioned in the enclosure between the osmotic agent and the beneficial agent.

25. (Original) The osmotic delivery system according to claim 24, wherein the separating member is a movable piston.

26. (Original) The osmotic delivery system according to claim 23, wherein the osmotic agent is a tablet.

27. (Original) The osmotic delivery system according to claim 23, wherein the plug includes an insert located in the hollow interior portion.

28. (Original) The osmotic delivery system according to claim 23, wherein the enclosure is substantially impermeable to liquids.

29. (Original) The osmotic delivery system according to claim 23, wherein the semipermeable body includes a cone-shaped surface.

30. (Original) A method of controlling a delivery rate of a beneficial agent from an osmotic drug delivery system that includes an enclosure having an interior holding a liquid swellable osmotic agent and a beneficial agent, the osmotic drug delivery system also including a plug having a semipermeable body at least partially positioned in an opening of an enclosure, the semipermeable body including a hollow interior portion, the method comprising the steps of:

determining a desired delivery rate of the beneficial agent;
selecting a plug with a hollow interior portion sized to obtain a predetermined liquid permeation rate through the semipermeable body corresponding to the desired delivery rate of the beneficial agent;
positioning the plug at least partially within the opening of the enclosure; and
locating the osmotic drug delivery system in an environment of use.

31. (Original) The method according to claim 30, further including the step of locating an insert within the hollow interior portion.

32-56. (Canceled)

57. (Original) An osmotic delivery system comprising:
an enclosure having an opening and a delivery port, said enclosure having an interior holding a liquid swellable osmotic agent and a beneficial agent, said liquid swellable osmotic agent for imbibing liquid from a surrounding environment and causing a delivery rate of said beneficial agent from said enclosure; and

a plug having a semipermeable body, the plug being at least partially positioned in the opening, the semipermeable body having an exposure surface that is immediately exposed to liquids when the osmotic delivery system is located in a liquid environment of use, said exposure surface including a conical surface.

58. (Original) The osmotic delivery system according to claim 57, wherein the semipermeable body includes a cylindrical portion.

59. (Original) The osmotic delivery system according to claim 57, wherein a vertex of the conical surface faces away from the osmotic agent.

60. (Original) The osmotic delivery system according to claim 57, wherein the semipermeable body includes ribs for effecting a seal between the enclosure and the semipermeable body.

61. (Original) The osmotic delivery system according to claim 57, the semipermeable body including a hollow interior portion having a size selected to obtain a

predetermined liquid permeation rate through the semipermeable body, the liquid permeation rate for controlling the delivery rate of the beneficial agent in the osmotic delivery system.

62. (Original) The osmotic delivery system according to claim 61, further comprising a porous insert located in the hollow interior portion.

63. (Previously presented) The osmotic delivery system plug according to Claim 7, wherein the semipermeable body is a unitary, one piece member.

64. (Canceled)

65. (Currently amended) The osmotic delivery system plug according to Claim 14 64, wherein the insert has a longitudinal length substantially equal to a depth of the hollow interior portion.

66. (Currently amended) The osmotic delivery system plug according to Claim 14 64, wherein the insert has a size and shape which substantially matches a size and shape of the hollow interior portion of the semipermeable body.